

COMBINED DECLARATION AND POWER OF ATTORNEY

As a below named inventor, I hereby declare that

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

"METHOD FOR DESIGNING TREE-STRUCTURED COMMUNICATION ROUTES AND
TREE-STRUCTURE SOLUTION OF COMMUNICATION ROUTES

the specification of which: (check one)

REGULAR OR DESIGN APPLICATION

☒ is attached hereto.

☐ was filed on _____ as application Serial No. _____
and was amended on (if applicable).

PCT FILED APPLICATION ENTERING NATIONAL STAGE

☐ was described and claimed in International application No. _____ filed on _____
and as amended on (if any).

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, '1.56.

PRIORITY CLAIM

I hereby claim foreign priority benefits under 35 USC 119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed.

PRIOR FOREIGN APPLICATION(S)

Country	Application Number	Date of Filing (day, month, year)	Priority Claimed
JAPAN	11-292131	14.10.1999	YES

(Complete this part only if this is a continuing application.)

I hereby claim the benefit under 35 USC 120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of 35 USC 112, I acknowledge the duty to disclose information which is material to patentability as defined in Title 37 Code of Federal Regulations '1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application:

(Application Serial No.)

(Filing Date)

(Status--patented, pending, abandoned)

POWER OF ATTORNEY


The undersigned hereby authorizes the U.S. attorney or agent named herein to accept and follow instructions from Hirata & Partners as to any action to be taken in the Patent and Trademark Office regarding this application without direct communication between the U.S. attorney or agent and the undersigned. In the event of a change in the persons from whom instructions may be taken, the U.S. attorney or agent named herein will be so notified by the undersigned.

As a named inventor, I hereby appoint the following attorney(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith: **Robert J. PATCH, Reg. No. 17,355, Andrew J. PATCH, Reg. No. 32,925, Robert F. HARGEST, Reg. No. 25,590, BenoTt CASTEL, Reg. No. 35,041, Eric JENSEN, Reg. No. 37,855, Thomas W. PERKINS, Reg. No. 33,027, and Roland E. LONG, Jr., Reg. No. 41,949, c/o YOUNG & THOMPSON, Second Floor, 745 South 23rd Street, Arlington, Virginia 22202.**

Address all telephone calls to Young & Thompson at 703/521-2297.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of sole or first inventor: **Kenji SOGA**
(given name, family name)

Inventor's signature Kenji Soja  Date September 28, 2000

Residence: **Tokyo, Japan**

Citizenship: **Japanese**

Post Office Address: **c/o NEC Corporation, 7-1, Shiba 5-chome, Minato-ku, Tokyo, Japan**

Full name of second joint inventor, if any:
(given name, family name)

Inventor's signature _____ Date _____

Residence:

Citizenship:

Post Office Address:

Full name of third joint inventor, if any:
(given name, family name)

Inventor's signature _____ Date _____

Residence:

Citizenship:

Post Office Address:

Date: September 28, 2000

Tadavuki Mitzan

Shiraz Mulla

RECORDATION FORM COVER SHEET
PATENTS ONLYU.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

To the Hon. Commissioner of Patents & Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Kenji SOGA

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

3. Nature of conveyance:

☒ Assignment☐ Merger☐ Security Agreement☐ Change of Name☐ Other

Execution Date: September 28, 2000

2. Name and address of receiving party(ies):

Name:

NEC CORPORATION

Street Address:

7-1, Shiba 5-chome

Minato-ku

Tokyo, Japan

Jc922 U.S. PTO
09/689902
10/13/00

4. Application number(s) or patent (numbers):

If this document is being filed together with a new application, the execution date of the application is: September 28, 2000

A. Patent Application No(s).

B. Patent No(s).

Additional numbers attached? ☐ Yes ☒ No

5. Name and address of party to whom correspondence concerning document should be mailed:

YOUNG & THOMPSON
Second Floor
745 South 23rd Street
Arlington, VA 22202

6. Total number of applications and patents involved:

1

7. Total fee (37 CFR 3.41).....\$ 40

☒ Enclosed☐ Authorized to be charged to deposit account

8. Deposit Account No. 25-0120

(Attach duplicate copy of this page if paying by deposit account)

DO NOT USE THIS SPACE

9. Statement and signature.

*To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.*Rhonda Desper
Name of Person Signing
SignatureOctober 13, 2000
DateTotal number of pages including cover sheet: **[2]**

ASSIGNMENT

WHEREAS, Kenji SOGA,
c/o NEC Corporation, 7-1, Shiba 5-chome, Minato-ku, Tokyo, 108-01, Japan

I,
hereafter referred to as "applicant", have invented certain new and useful
improvements in METHOD FOR DESIGNING TREE-STRUCTURED COMMUNICATION ROUTES AND
TREE-STRUCTURE SOLUTION OF COMMUNICATION ROUTES
(a) for which an application for a United States patent was filed
on _____, Application No. _____,

(b) for which an application for a United States patent was executed
on September 28, 2000 and

WHEREAS, NEC Corporation, of 7-1, Shiba 5-chome, Minato-ku,
Tokyo 108-01, Japan hereinafter referred to as "assignee", are desirous of acquiring
the entire right, title and interest in and to the same;

NOW, THEREFORE, in consideration of the sum of Ten Dollars
(\$10.00), the receipt whereof is acknowledged, and other good and valuable
consideration, applicants, by these presents, do hereby sell, assign and transfer unto
said assignee the full and exclusive right to the said invention in the United States and
the entire right, title and interest in and to any and all patents which may be granted
therefor in the United States, for its sole use and behoof, and for the use and behoof
of its legal representatives, to the full end of the term for which said patents may be
granted, as fully and entirely as the same would have been held by applicants had this
assignment and sale not been made.

Applicants hereby authorize and request the Commissioner of Patents
and Trademarks to issue said United States patents to said assignee.

Date: September 28, 2000

Kenji SOGA
Kenji SOGA



Date: _____
